TITAN® E80HW

ENEDIVSA Acondicionamiento de Energia

efi ELECTRONICS

80,000 AMP PANEL PROTECTION

EFI Titan E80HW is a multi-phase surge suppressor and noise filter in a compact and affordable package. The compact design of the Titan E80HW allows protection to be installed adjacent to power panels or directly on sensitive equipment to protect against damage and disruption in the worst electrical conditions.

Compliant with UL 1449 2nd Edition requirements dated February 9, 2007.

APPLICATIONS

The Titan E80HW is a versatile and compact surge protection device designed to provide high quality protection for a wide variety of commercial, industrial or institutional applications. The Titan E80HW is excellent as a component in a suppression network or as a standalone protector.

SUPERIOR PERFORMANCE

The E80HW utilizes a high energy suppression circuit that provides 80,000 peak amps of surge current rating per phase along with EFI's sine wave tracking circuitry that provides up to -30 dB of noise attenuation (wye configurations only).

The E80HW units provide reliable operation by incorporating EFI's latest developments. Each surge suppression mode is individually fused and the products are contained in a Type NEMA 4X housing. The E80HW units have been tested and listed by UL and cUL.

EASY INSTALLATION

The EFI Titan E80HW mounts adjacent to the panel through a direct nippled connection. The E80HW allows flexible mounting near the circuit breaker to be used in order to reduce lead lengths and improve protection.

FEATURES	ADVANTAGES	BENEFITS
COMPACT DESIGN	Easily mounts even in restricted spaces	Improves quality of protection
80,000 PEAK AMP CAPACITY	Provides protection against high energy lightning strikes	Keeps valuable electronics safe even in the worst electrical conditions
SINE WAVE TRACKER™ CIRCUITRY	Suppresses transients closer to the sine wave	Improves protection to the equipment
LED STATUS INDICATION	Provides visual indication of the suppressor status	Allows immediate response if suppressor is damaged
SUPPRESSION STATUS ALARM	Provides immediate alarm if suppression is ever damaged	Prevents operating without protection
THERMAL FUSE	Thermal fuse capable of extreme surge currents	Provides reliable operation and prevents dangerous thermal run-a-way when MOV's are damaged

TITAN® E80HW Product Specifications

PERFORMANCE

Max Surge Current	80 kA/phase
Short Circuit Current Rating	22 kA, 600 V Maximum
EMI/RFI Noise Rejection	Up to -30 dB
Sine Wave Tracking	Yes (wye units only)

MECHANICAL DESCRIPTION

Dimensions	See images
Housing Ratings	NEMA 4X
Product Weight	6.7 lbs
Connection Method	#10 AWG Wires (22 kA SCCR)
Mounting Method	Closed Nippled
Thermal Fusing	Yes
Operating Frequency	50/60 Hz
Storage Temperature	-40° to +160° F (-40° to +70° C)
Operating Temperature	-40° to +140° F (-40° to +60° C)
Operating Altitude	Sea Level to 12,000 ft. (3,658 m.)

DIAGNOSTICS

Standard — Green Status LED

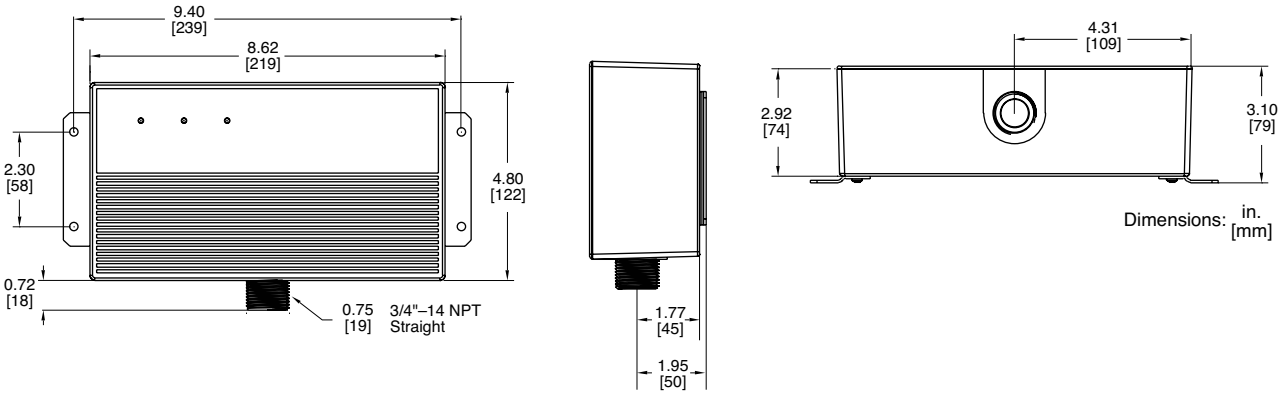
WARRANTY

10 years on Product

SAFETY APPROVALS

c UL us 1449 2nd Edition, 2007 requirements, cUL, UL 1283 (wye products only), CSA C22.2 No.8- M1986, IEEE C62.41.1-2002, C62.41.2-2002, C62.45-2002

E80HW



TITAN E80HW SYSTEM DESCRIPTION						UL 1449 2-nd EDITION			
	Service Voltage	Configuration	Model Number	SCCR	MCOV	L-N	L-G	N-G	L-L
80kA/Phase	120/240 wye (Single Phase)	1Ph. Wye 3-wire +G	E80HW120/240Y	22 kA	150	400	500	400	800
	120/208 wye	3Ph. Wye 4-wire +G	E80HW120/208Y	22 kA	150	400	500	400	800
	220/380 wye	3Ph. Wye 4-wire +G	E80HW220/380Y	22 kA	320	900	900	900	1800
	277/480 wye	3Ph. Wye 4-wire +G	E80HW277/480Y	22 kA	320	900	900	900	1800
	240 Delta	3Ph. Delta 3-wire	E80HW240D	22 kA	300	N/A	N/A	N/A	800
	480 Delta	3Ph. Delta 3-wire	E80HW480D	22 kA	640	N/A	N/A	N/A	1800
	600 Delta	3Ph. Delta 3-wire	E80HW600D	22 kA	840	N/A	N/A	N/A	2500

NOTE: Model numbers with a "Y" after the voltage indicator number designates a Wye configuration.
Model numbers with a "D" after the voltage indicator number designates a Delta configuration.
Short Circuit Current Rating. E80HW is suitable for use on a circuit capable of delivering not more than 22,000 rms symmetrical amperes. 600 Volts Maximum, when protected by the class CC fuses included with the unit.

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